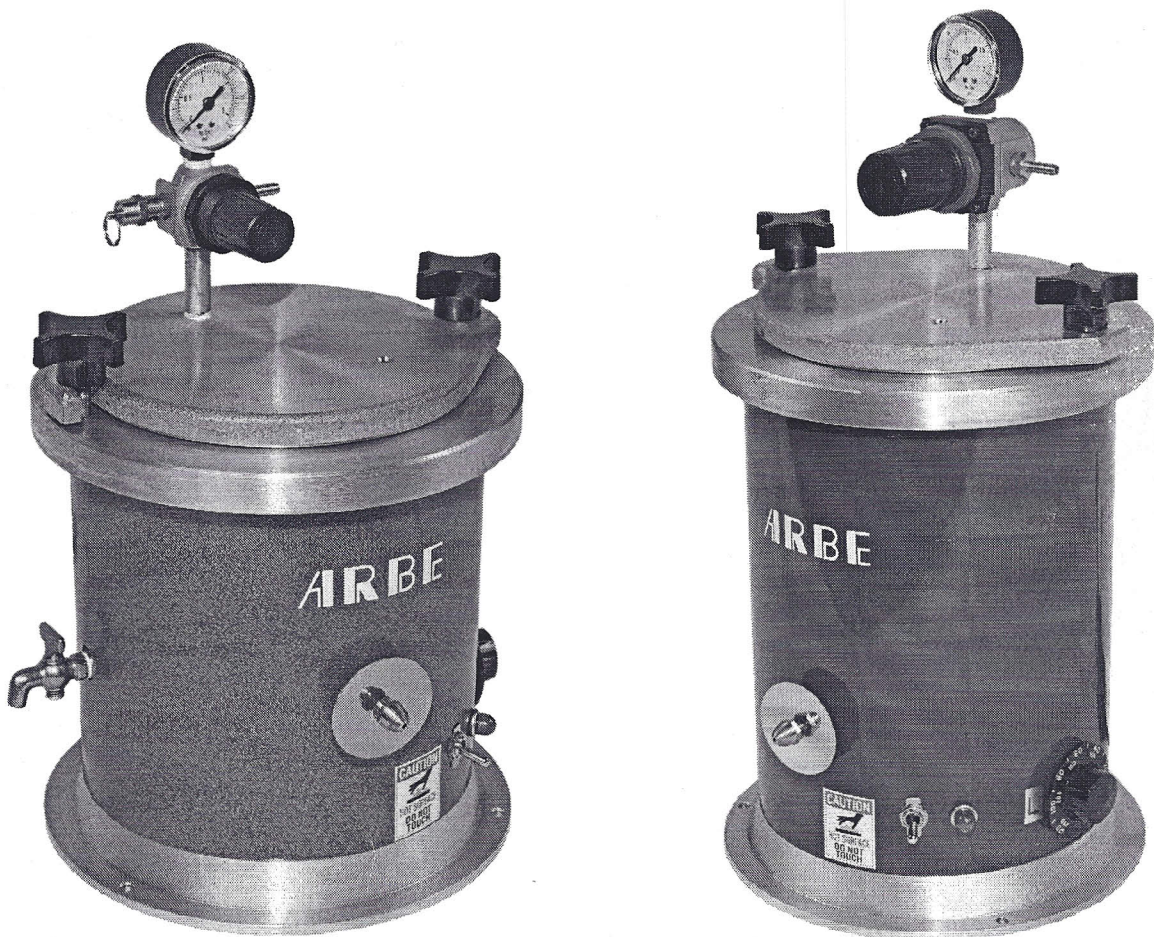


*Thank You & Congratulations  
On Your Purchase of:*

**AIRBE**

**PROFESSIONAL JEWELERS  
WAX INJECTOR**



*The Professionals Choice For  
Jewelry Casting & Investing*

## OPERATING INSTRUCTIONS FOR AIR PRESSURE WAX INJECTOR



1. Remove top cover plate by loosening two black Knobs located on top of aluminum cover.
2. Put in approximately 10-12 pounds of wax and replace cover, tightening the knobs evenly.  
NOTE: It is important to keep any kind of dirt from getting into the pot, accumulating under the cover, or getting on the "O" ring. Dirt can cause air leaks which will and can greatly reduce the efficiency of the unit.
3. Connect the air line from your compressor to the input nozzle, located to the right of the regulator assembly. A hose clamp should be used to prevent any leaks.
4. Plug the unit into a standard, grounded 110v outlet. (if you have a 220v unit, you would need a 220v outlet.) Turn unit on using the ON/OFF toggle switch located on the units body.
5. Put a stainless steel thermometer into the wax chamber through the hole in the cover. Adjust thermostat on the side of the unit to normal operating temperature approximately 160°F/71°C. The temperature on the thermometer should approximately be equal to that of the dial setting. If the set temperature differs with that of the thermometer by 15° or more the thermostat should be readjusted. (refer to the back of page for adjustment procedure).

The air pressure required will vary from 4-5 psi for simple and heavy designs to 9-12 psi for thin and complicated designs. Air pressure is adjusted by turning the regulator Knob counter clockwise to decrease pressure and clockwise to increase pressure, after the desired pressure is obtained the regulator can be locked by pushing the regulator Knob inward towards regulator body. By locking the regulator at desired pressure it offers hours of operation with out having to constantly readjust regulator.

The air pressure wax injector has a safety air escape valve (located to the left of the regulator assembly) which automatically releases excessive pressure from pot. There is also a spigot on the side of the pot which enables you to drain the pot of molten wax whenever.

**ONLY OPERATE DRAIN SPIGOT WHEN THE WAX INJECTOR IS HOT.**



## PRECAUTIONS

Rejected patterns may be reused. Melt and pour through layers of fine cloth to remove all impurities. For best results however, use at least 50% fresh wax each time when refilling the pot.

As with all electrical equipment, certain precautions should be taken when operating your wax injector:

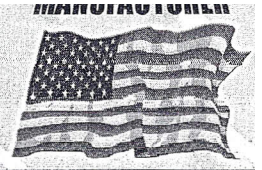
--Keep work area clean and well light.

--Avoid dangerous work environments - do not use in damp or wet locations, or near chemicals and or corrosives. **NEVER SUBSTITUTE OXYGEN INSTEAD OF COMPRESSED AIR FOR THE OPERATION OF THE WAX INJECTOR.**

The Manufacturer reserves the right to void any and all warranties which may apply to the purchase of a new unit, against intentional misuse, or any modification to the unit which is not factory authorized.



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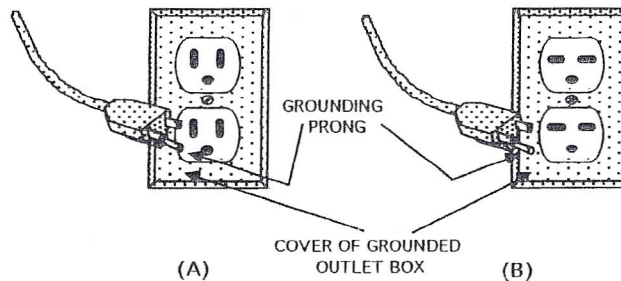
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## SAFETY INSTRUCTIONS

### I. GROUNDING INSTRUCTIONS

This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved three-conductor cord and three-prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug that looks like that shown in sketch (A) in Figure 1. If it is for use on 150 to 250 volts, it has a plug that looks like that shown in sketch (B). Use of an extension cords or a 2 prong adapter is not recommended.

FIGURE 1  
GROUNDING METHODS



### II. TOOL SAFETY INSTRUCTIONS

- 1. Keep Work Area Clean**  
Cluttered areas and benches invite accidents.
- 2. Avoid Dangerous Equipment**  
Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit.
- 3. Keep Children Away**  
All visitors should be kept safe distance from work area and appliance.
- 4. Store Idle Tools**  
When not in use, tools should be stored in dry, high, and locked location out of the reach of children.
- 5. Don't Force Tool**  
It will do the job better and be safe at the rate for which it was designed.
- 6. Use Right Tool**  
Don't force small tool or attachment to do the job of a heavy-duty tool.
- 7. Wear Proper Apparel**  
Do not wear loose clothing or jewelry which may get caught in moving parts. Tie back long hair or use a proper hair net.
- 8. Use Safety Glasses**  
Use safety glasses with all rotating tools. Also use a face or dust mask if cutting operation is dusty.
- 9. Don't Abuse Cord**  
Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- 10. Secure Work**  
Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
- 11. Don't Overreach**  
Keep proper footing and balance at all times.
- 12. Maintain Tools with Care**  
Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 13. Disconnect Tools**  
When not in use; before servicing; when changing accessories such as blades, bits, cutters, etc.
- 14. Avoid Accidental Starting**  
Be sure switch is OFF when plugging in.

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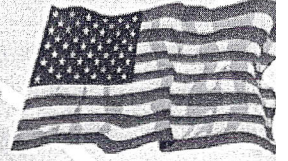
**WEB: [www.arbemachine.com](http://www.arbemachine.com)**





# AIRBE

MANUFACTURER



**MACHINE MFG., INC.**

**SINCE 1975**

## WARRANTY POLICY

Arbe Machine Mfg., Inc. warrants all products furnished by it are free from defects in material and workmanship at the time of shipment for a period of eighteen (18) months from the date of shipment, or one (1) year from the date of installation, whichever occurs first. Claims must be made during that period and are limited to the replacement of parts claimed to be defective.

This warranty shall not extend to products that have been misused, neglected, altered or repaired without factory authorization during the warranty period. Operating conditions beyond our control such as improper voltage, excessive ambient temperatures, or other conditions that would affect the performance or life of the product will also cause the warranty to become void.

Permission to return parts for warranty repair must be obtained, and all returns must be prepaid factory. If, after examination, the product or part is found to be defective, it will be repaired or replaced on a no-charge basis and returned. On the other hand, if it is determined that the warranty has not been breached by Arbe Machine Mfg., Inc., then the usual charges for repair or replacement will be made. Parts or products that are obsolete or those made to special order are not returnable.

This limited warranty applies only to the above and is for the period set forth. Arbe Machine Mfg., Inc.'s maximum liability shall not, in any case, exceed the contract price for the product, part, or component claimed to be defective; and Arbe Machine Mfg., Inc. assumes no liability at all for any special, indirect, or consequential damages arising from defective equipment.

**THERE ARE NO WARRANTIES IMPLIED OR EXPRESSED THAT EXTEND BEYOND THOSE CONTAINED IN THIS LIMITED WARRANTY.**

**AIRBE**

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